

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MATIC MATIC VOLVO PENTA 2004029187 - STARBOARD DIESEL ENGINE

Sample No: VPA058292

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA058292	---	---	---
Sample Date	03 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

#### Harry's Marine Service LLC

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F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.27	---	---	---
Oxidation (PA)	%	60	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 0	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 57	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	< 1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1022	---	---	---
Magnesium	ppm	█ 976	---	---	---
Zinc	ppm	█ 1363	---	---	---
Phosphorus	ppm	█ 1159	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 6	---	---	---

Depot: VP867279

Unique No: 10911409

Signed: Doug Bogart

Report Date: 04 Mar 2024

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## GRAPHS

